**BILL OF MATERIALS**

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| SL. No | Part name | Materials with which the part is made up of | Specifications of the part | Quantity required | Fabrication process if needed |
| 1. | Container | Steel/Aluminium | Diameter:  12 inch  Depth:  10-11inch | 1 | Drilling |
| 2. | Rolling shaft | Nylon | Nylon Rod:-Diameter:5 cm, Length:15 cm | 1 | Drilling |
|  |  | Aluminium | Aluminium Rod:-  Diameter:1.5 cm, Length:25 cm | 1 | - |
| 3. | Rod | Aluminium | Diameter:2 cm, Length:40 cm | 1 | - |
| 4. | DC motor |  | 200 rpm or more  12 V | 1 | - |
| 5. | LED |  |  | 5 | - |
| 6. | IR sensor |  |  | 5 | - |
| 7. | Micro controller | Aurdino Mega | AT2560 | 1 | - |
| 8. | Stand | Steel/Aluminium | 50 cm x 10 cm x 10 cm | 1 | Cutting |
| 9. | Base | Steel | 60 cm x 50 cm x 0.1 cm | 1 | Drilling |
| 10. | Housing of micro-processor | Acrylic sheet | 10 cm x 10 cm x 10 cm | 1 | - |
| 11. | Roller shaft | Steel/Aluminium | Diameter:  2 cm  Length: 50 cm | 1 | - |
| 12. | Sheets | Acrylic/Form sheet | 45 cm x 10 cm x 1 cm | 2 | - |
| 13. | DC motor |  | 60 rpm,  12 V | 1 | - |
| 14. | Container | Acrylic sheet | 15 cm x 12 cm x 10 cm | 3 | - |
| 15. | LCD display |  |  | 3 | - |